

IN THE CLAIMS

Please amend the status of the claims to that as indicated below:

Claims 1-12 (canceled)

13. (currently amended) A metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms, comprising:
a display for optically displaying movement depicting an arc having a horizontal, uniform movement component and a vertical, accelerated movement component depicting a trajectory-parabola arc, [[; and,]] said display including a row of discrete light sources having individual light sources arranged along a trajectory-parabola arc;
means for activating said display for providing optical movement to and fro at a settable frequency.
means for activating said row of discrete light sources of said display for providing optical movement having a running light running to and fro along said row of discrete light sources at a settable frequency;
means for selective electrical production of sounds for an acoustic marking of turning points of the running light;
means for selective acoustic subdivision of time intervals between the turning points of the running light;
means for selecting acoustic tones of different frequencies, timbres and volumes;
and,
means for superimposing said acoustic tones of different frequencies, timbres and

volumes on said optical movement so simulated, said means for selecting acoustic tones
and said means for superimposing said acoustic tones being controlled by a microproces-
sor, so that volume and intensity of an acoustic tone increases over movement of said
running lights over said individual light sources of said trajectory-parabola arc, or over a
portion thereof, and upon reaching outermost light sources of said trajectory-parabola arc,
achieves a maximum or intensity center and thereafter fades.

14. (currently amended) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim 13, further comprising:

~~means for selective electrical production of sounds for a dynamic acoustic marking of turning points of said optical movement;~~
means for selective acoustic subdivision of time intervals between [[said]] turning points of said optical movement;
a sensor; and,
an electronic circuit having software for detecting acoustic impulses for an optical or acoustic display of rhythm reproduced and dependent on settable run-ahead tolerances or settable run-behind tolerances of rhythms recorded via said sensor.

Claim 15 (canceled)

16. (currently amended) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim [[15]] 13, wherein said row of discrete light sources have said individual light sources success-

sively positioned at differing distances between successive said individual light sources, so that with time intervals between an illumination of said individual light sources remaining the same, a trajectory of a body is capable of being optically simulated with respect to said vertical, accelerated movement component of said optical movement, said trajectory undergoing a negative acceleration in an upwards movement and a positive acceleration in a down-wards movement, while said horizontal, uniform movement component of said optical movement remains uniform.

17. (currently amended) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim [[15]] 13, wherein said row of discrete light sources have said individual light sources successively positioned at constant distances between successive said individual light sources, so that successive activation at differing time intervals of said individual light sources, a running light is produced for optically simulating a trajectory of a body with respect to said vertical, accelerated movement component of said optical movement, said trajectory undergoing a negative acceleration in an upwards movement and a positive acceleration in a downwards movement.

18. (previously presented) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim 17, further comprising:

means for setting a symmetrical or asymmetrical tolerances to predefined metronome beats for detecting rhythms produced by a user, so that when said

symmetrical or asymmetrical tolerances are exceeded by the user, cumulated measurement results and instructions for accelerating or decelerating user-rhythm are optically produced via a display or acoustically produced via a loudspeaker.

19. (previously presented) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim 18, wherein said means for setting a symmetrical or asymmetrical tolerances to predefined metronome beats for detecting rhythms produced by a user include a microprocessor with software.

Claims 20 – 23 (canceled)

24. (currently amended) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim [[15]] 13, further comprising a setting display for setting and displaying a numerical count of said turning points of optical movement within a given time period and beat type and type of acoustic subdivision of each beat.

25. (currently amended) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim [[15]] 13, further comprising a setting display for setting and displaying a numerical count of said running light within a given time period and beat type and type of acoustic subdivision of each beat.

26. (currently amended) The metronome for displaying tempo, time and the

subdivision of time, of pieces of music or movement rhythms according to Claim [[15]]
13, further comprising a digital counter for setting and displaying a number of said turn-
ing points of said running light within a given time period.

27. (previously presented) The metronome for displaying tempo, time and the
subdivision of time, of pieces of music or movement rhythms according to Claim 26,
further comprising:

means for selectively setting beat type; and,

a display for displaying said beat type selectively set.

28. (new) A metronome for displaying tempo, time and the subdivision of time,
of pieces of music or movement rhythms, comprising:

a display for optically displaying movement depicting an arc having a horizontal,
uniform movement component and a vertical, accelerated movement component depict-
ing a trajectory-parabola arc, said display including a row of discrete light sources having
individual light sources arranged along a trajectory-parabola arc;

means for activating said row of discrete light sources of said display for provid-
ing optical movement having a running light running to and fro along said row of discrete
light sources at a settable frequency;

means for selective electrical production of sounds for an acoustic marking of
turning points of the running light;

means for selective acoustic subdivision of time intervals between the turning
points of the running light;

means for selecting acoustic tones of different frequencies, timbres and volumes; and,

means for superimposing said acoustic tones of different frequencies, timbres and volumes on said optical movement so simulated, said means for selecting acoustic tones and said means for superimposing said acoustic tones being controlled by a microprocessor for successively activating said individual light sources with a time interval for producing a running light for optically simulating a trajectory of a body with respect to said vertical, accelerated movement component of said optical movement, said trajectory undergoing a negative acceleration in an upwards movement and a positive acceleration in a downwards movement, so that volume and intensity of an acoustic tone increases over movement of said running lights over said individual light sources of said trajectory-parabola arc, or over a portion thereof, and upon reaching outermost light sources of said trajectory-parabola arc, achieves a maximum or intensity center and thereafter fades.

29. (new) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim 28, further comprising:

means for setting a symmetrical or asymmetrical tolerances to predefined metronome beats for detecting rhythm produced by a user, so that when said symmetrical or asymmetrical tolerances are exceeded by the user, cumulated measurement results and instructions for accelerating or decelerating user-rhythm are optically produced via a display or acoustically produced via a loudspeaker.

30. (new) The metronome for displaying tempo, time and the subdivision of time, of pieces of music or movement rhythms according to Claim 28, wherein said means for setting a symmetrical or asymmetrical tolerances to predefined metronome beats for detecting rhythms produced by a user include a microprocessor with software.